

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	244	cluster AND (cluster NEAR center) AND feature AND (feature NEAR vector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:47
L2	16329	electrogram OR electrocardiogram	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:47
L3	16163	wavelet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:46
L4	2655257	distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:46
L5	10504	feature NEAR extraction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:46
L6	1	L1 AND L2 AND L3 AND L4 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:47
L7	1	((cluster AND (cluster NEAR center) AND feature AND (feature NEAR vector)) AND (electrogram OR electrocardiogram) AND wavelet AND distance AND (feature NEAR extraction)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/12/17 16:48
S1	1282	600/509.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/10/26 10:18
S2	4	("5271411" "5439483" "5638823" "6393316").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/10/26 10:18

## EAST Search History

S3	37	("3940692"   "4046504"   "4090505"   "4170992"   "4316249"   "4336810"   "4422459"   "4583553"   "4589420"   "4732158"   "4742458"   "4784153"   "4924875"   "4974162").PN. OR ("5271411"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:08
S4	111	600/512.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/10 09:36
S5	0	cluster AND clsterer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:29
S6	38	cluster AND clusterer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:40
S7	79327	cardiac	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:31
S8	2	S7 AND S6	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:31
S9	5	astrom-magnus.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:34
S10	7	sornmo-leif.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:34
S11	8	("4680708"   "5046504"   "5092341"   "5210366"   "5542430"   "5772604"   "5967995"   "6738445").PN. OR ("7117029"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:36
S12	1	"5908393".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:37
S13	20	("4038536"   "4760540"   "4781201"   "4783660"   "4802491"   "4979110"   "5146926"   "5209237"   "5259387"   "5265617"   "5323783"   "5421342"   "5521851").PN. OR ("5908393"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:37
S14	88102	cluster or clusterer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:40
S15	5246	S14 AND S7	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:40

## EAST Search History

S16	3498	S15 AND vector	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:10
S17	82	S16 AND covariance	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:10
S18	6	("4802491" "5474078" "5570696" "5713367" "5921937" "6169919").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:51
S19	8	("5020540"   "5390679").PN. OR ("5921937").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 13:53
S20	1	("6169919").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:10
S21	0	feature NEAR extractiom	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 16:46
S22	6940	feature NEAR extraction	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:10
S23	1167	S22 AND S14	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:10
S24	886	S23 AND vector	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:10
S25	202	S24 AND covariance	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:42
S26	80	S25 AND (physiological OR medical OR cardiac)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:35
S27	18	S25 AND (electrogram OR electrocardiogram OR electrocardiograph OR ECG OR EKG OR EGM)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:36
S28	37	("3940692"   "4046504"   "4090505"   "4170992"   "4316249"   "4336810"   "4422459"   "4583553"   "4589420"   "4732158"   "4742458"   "4784153"   "4924875"   "4974162").PN. OR ("5271411").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:30
S29	36	S25 AND Mahalanobis	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/27 10:20

## EAST Search History

S30	1	10/795,956	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 16:08
S31	1	"5271411".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/27 10:20
S32	1	"5439483".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/26 10:22
S33	223	cluster AND (cluster NEAR center) AND feature AND (feature NEAR vector)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 16:45
S34	14355	electrogram OR electrocardiogram	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/17 16:45
S35	2285909	distance	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:23
S36	286389	grid	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:23
S37	13506	wavelet	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:24
S38	16	S33 AND S35 AND S36 AND S37	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:33
S39	1	S34 AND S38	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:24
S40	49	S33 AND S35 AND S37	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:33
S41	0	S40 AND "L43"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:33
S42	1	S40 AND S34	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 10:34
S43	0	astrom-magnus.in.	FPRS; EPO; JPO	OR	ON	2007/06/26 11:04
S44	0	sorn,o-leif.in.	FPRS; EPO; JPO	OR	ON	2007/06/26 11:04
S45	0	sornmo-leif.in.	FPRS; EPO; JPO	OR	ON	2007/06/26 11:04

## EAST Search History

S46	4	("5271411" "5439483" "5638823" "6393316").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:28
S47	3	("20040096100" "5271411" "5439483").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:29
S48	2	S47 AND integrat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:33
S49	2	S47 AND distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:36
S50	1	S47 AND wavelet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:37
S51	0	S50 AND (center OR middle) AND median	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:37
S52	0	S50 AND (center OR middle) AND minimum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:43
S53	0	S47 AND (minimum NEAR distance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:47
S54	0	S47 AND (covariance NEAR matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:47
S55	1	S47 AND (covariance NEAR matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/06/26 11:47

**EAST Search History**

S56	1	"5271411".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/10 09:51
S57	1	"5439483".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/10 09:52